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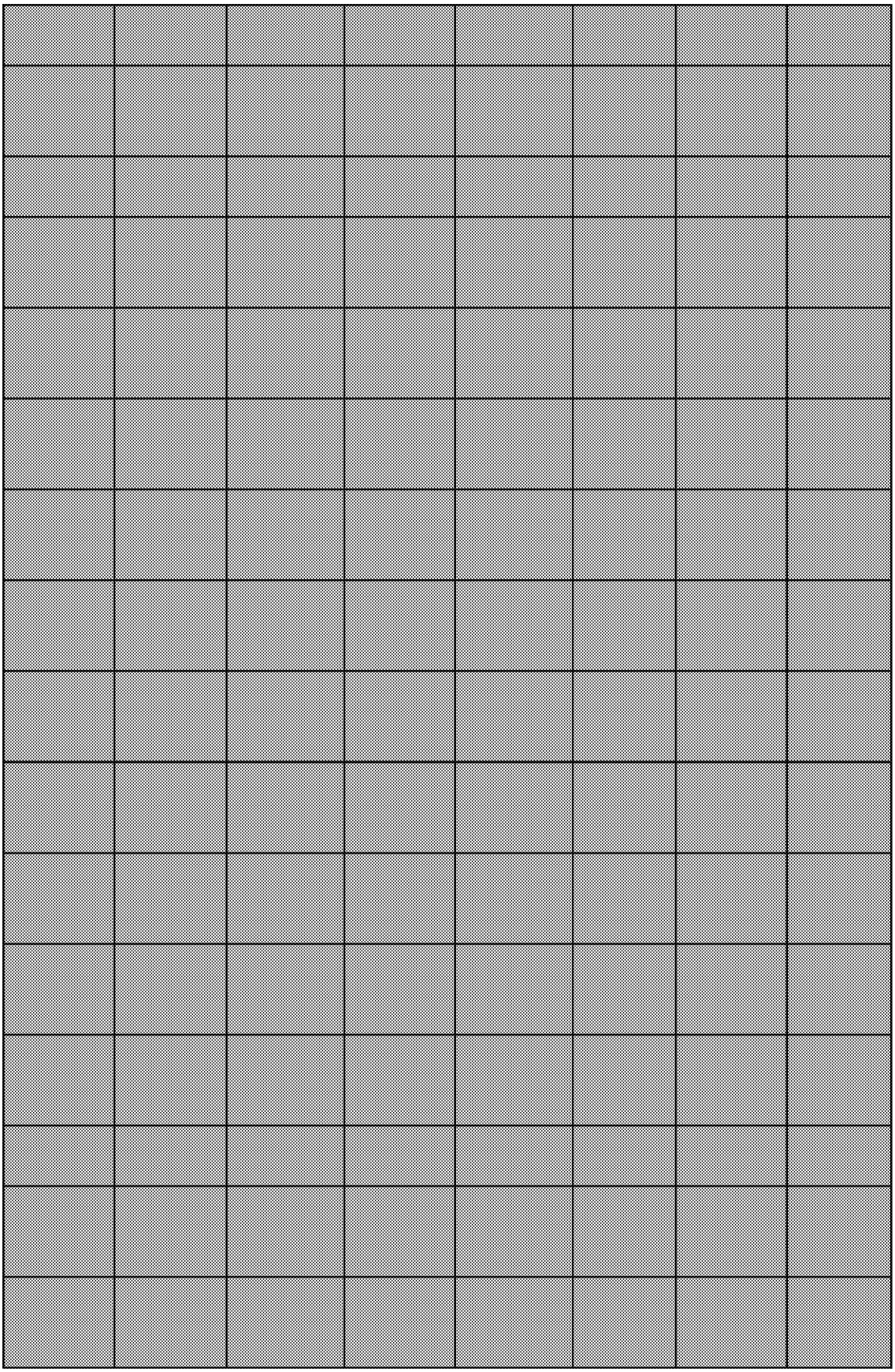

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Crocus sativus L. belongs to family Iridaceae and its stigma part which forms commercial saffron has been used as a spice
Summary Injury from freezing stress may be caused by degradative reactions initiated by activated oxygen. The relationsl
Rates of photosynthesis, tolerance to photooxidative stress, and senescence are all important physiological factors that a
The peanut is one of the limited number of plant species that synthesize resveratrol, which is both a phytoalexin with ant
Trehalose is a nonreducing disaccharide of glucose that has been correlated with tolerance to different stress conditions.
Chilling is one of the most serious environmental stresses that disrupt the metabolic balance of cells and enhance the pro
Summary Gibberellic acid (GA) antagonism of the growth inhibitory and stress protective effects of paclobutrazol (P) was
Vitamin C (ascorbic acid) is an essential component for collagen biosynthesis and also for the proper functioning of the ca
Long term light emission was compared from leaves of paraquat-resistant and -susceptible tobacco plants. In the minute
Plants regenerated from paraquat-resistant tobacco cell lines and their sexual progeny were evaluated for paraquat resis
Oxidative damage occurring in plant cells under drought stress is a known cause of reduced plant primary production. De
This article has been retracted at the request of the chief editors and author. Reason: this article contains material that h
In Arabidopsis thaliana, twenty mitogen-activated protein kinases (MAPKs/MPKs) are regulated by five MAP kinase phosp
Summary Plant fatty acid α -dioxygenases (DOXs) catalyze the stereospecific conversion of fatty acids into the correspond
Capsicum annuum L. Bugang exhibits a hypersensitive response against Tobacco mosaic virus (TMV) P0 infection. The C.
Serine carboxypeptidase-like proteins (SCPLs) comprise a large family of protein hydrolyzing enzymes that play roles in m
Metallothioneins (MTs) are low-molecular-weight, cysteine-rich metal-binding proteins found in numerous genera and sp
Growth chamber experiments were conducted to determine if there is a pattern of cross-tolerance to paraquat and ozon
Superoxide dismutase (SOD) and ascorbate peroxidase (APX) play central roles in the pathway for scavenging reactive ox

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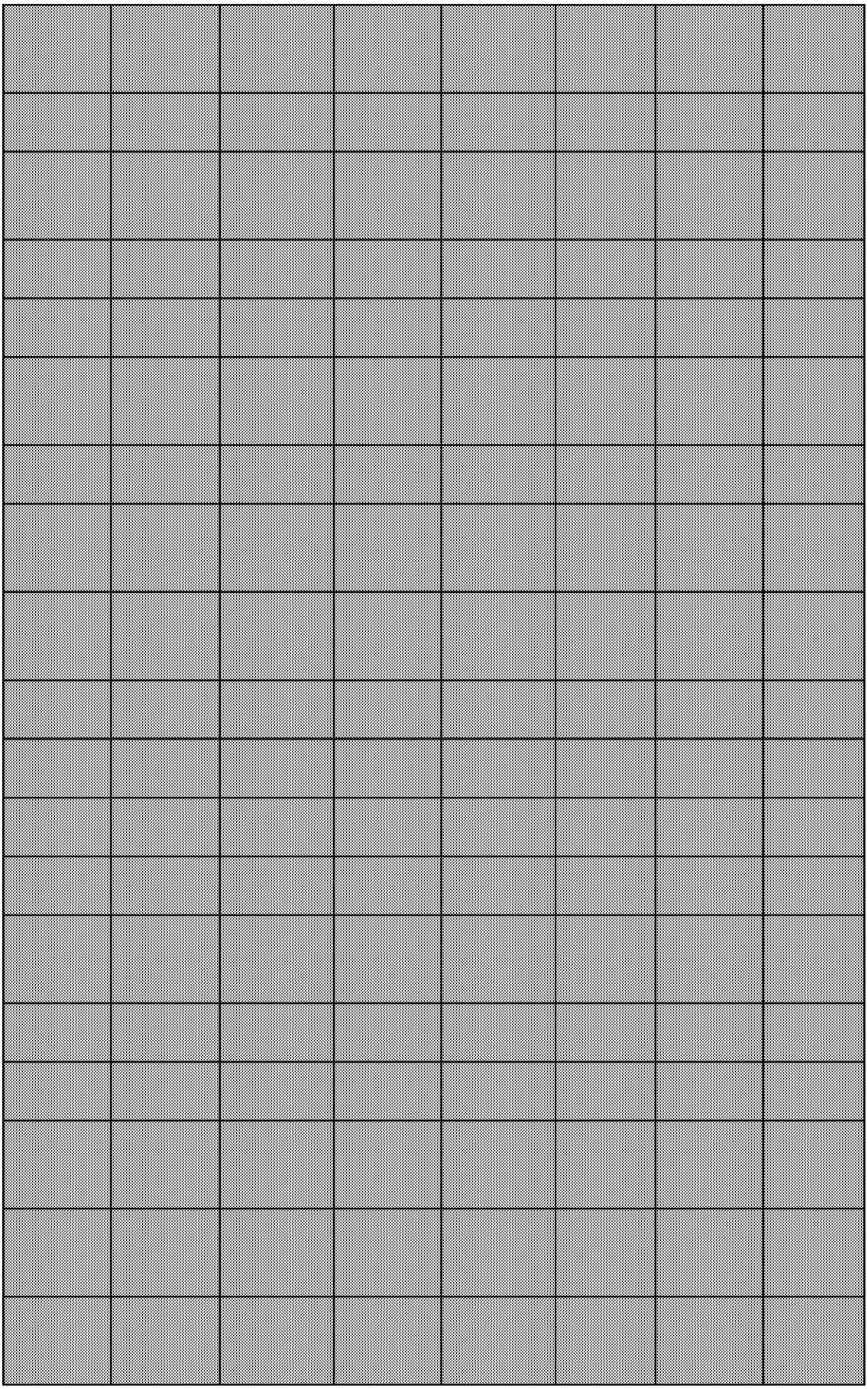

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Various transcription factors are involved in the response to environmental stresses in plants. In this study, we character
Based on results from previously published work, various chemical solutions were injected into the intercellular spaces o
Transgenic herbicide-resistant sweet potato plants [Ipomoea batatas (L.) Lam.] produced through a biolistic transformati
A tomato (Lycopersicon esculentum Mill.) chloroplast glutathione reductase gene (LeGR) was isolated and antisense tran
Reduced paraquat transport from the site of application to the site of action in the chloroplast seems a likely mechanism
Muscodor cinnamomi was selected and investigated for its in vitro ability to produce indole-3-acetic acid (IAA) to solubili
Summary Photosynthetic responses of paraquat/atrazine coresistant (PqAR) and only paraquat resistant (PqR) biotypes c
Summary The xanthophyll cycle and in vivo photoinhibition were investigated in the herbicide-susceptible (S), paraquat-r
The GDP-l-galactose phosphorylase (GGP), which converts GDP-l-galactose to l-Gal-1-phosphate, is generally considered t
Abiotic stresses affect the yield of crop plants worldwide. Plant species have evolved in such a way that they are able to c
Calcium is a ubiquitous intracellular secondary messenger in plants. Calcineurin B-like proteins (CBLs), which contain four
Sequestration of paraquat away from its target site in the chloroplast has been proposed as a mechanism of paraquat res
Mitogen-activated protein kinase (MAPK) cascades are important intracellular signaling modules and function as a conve
The paper examines the supramolecular effects at play during photosensitization by carboxylated Ru(II) sensitizers, both
[2]Catenanes made up of several polyether-strapped porphyrin macrocycles interlinked with the cyclic electron acceptor
In this study ion binding to solid organic matter was investigated. We used the NICA-Donnan model to describe the inter
Received Revision received We investigated the CN--induced apoptosis of guard cells in epidermal peels isolated from pe
Challenge of Rhodobacter capsulatus cells with the superoxide propagator methyl viologen resulted in the induction of a
The mechanism of activation of the bladder carcinogen 2-amino-4-(5-nitro-2-furyl)thiazole (ANFT) was investigated by co
With the fabrication of molecular electronic devices (MEDs) and the construction of nanoelectromechanical systems (NE

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